BORIN, A.V.; MOSHKINA, T.M.; MISHAKOVA, M.V.; SHAYMARDANOVA, L.R.

Sensitizing effect of some polyethylene glycols. Zhur. nauch. i prikl. fot. i kin. 8 no.3:211-212 My-Je '63. (MIRA 16:6)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo kinofoto-instituta, Kazan'.
(Glycols) (Photographic emulsions)

ALESHIN, S.N., doktor sel'skocher nauk, prof.; SHAYMUKHAMETOV, M.Sh., aspirant

Change of the mineralogical composition of Podzolic soils as a result of the use of fertilizers over a period of many years.

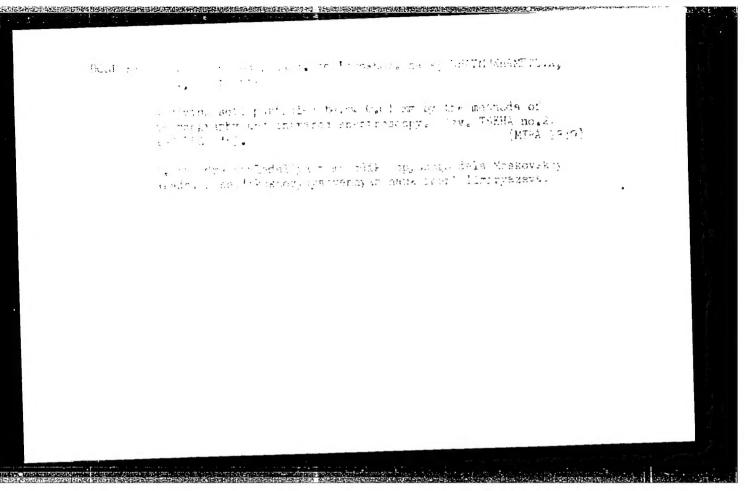
Lzv. TSXHA no.6164-73 '63. (MIRA 1718)

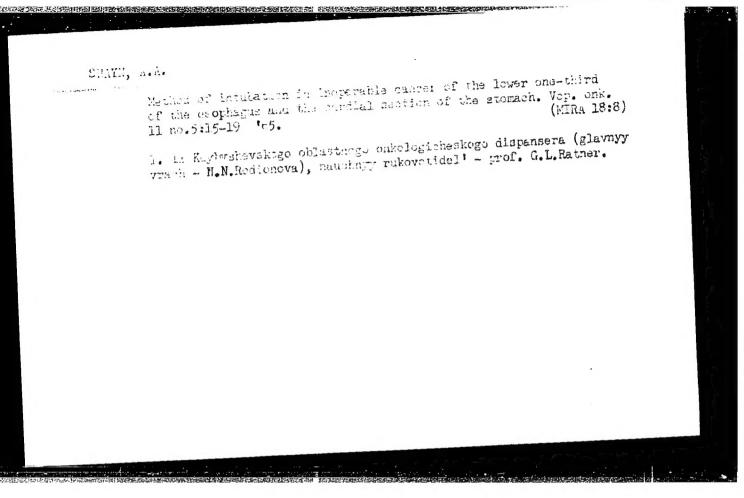
ALESHIN, S.N., doktor sel'skokhozyaystvennykh nauk, prof.;

SHAY-MUKHAMETOV. M.Sh., aspirant

Hature of the absorption of organic substances by the soil. Izv. TSKHA no.2:37-46 '62. (MIRA 15:9)

(Soil absorption)

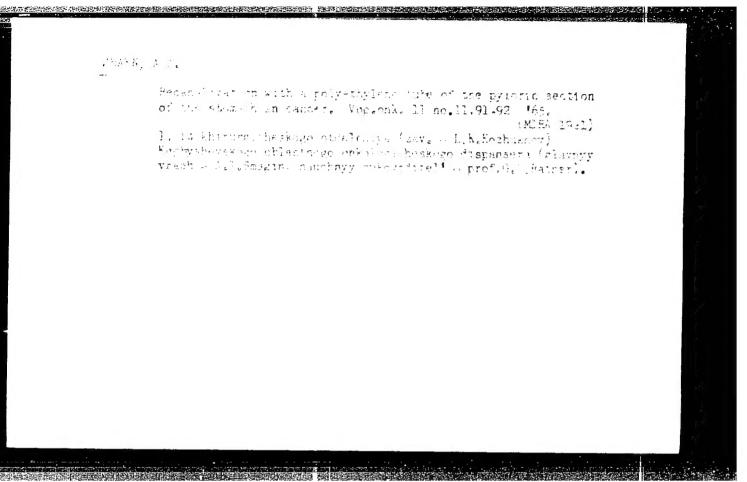


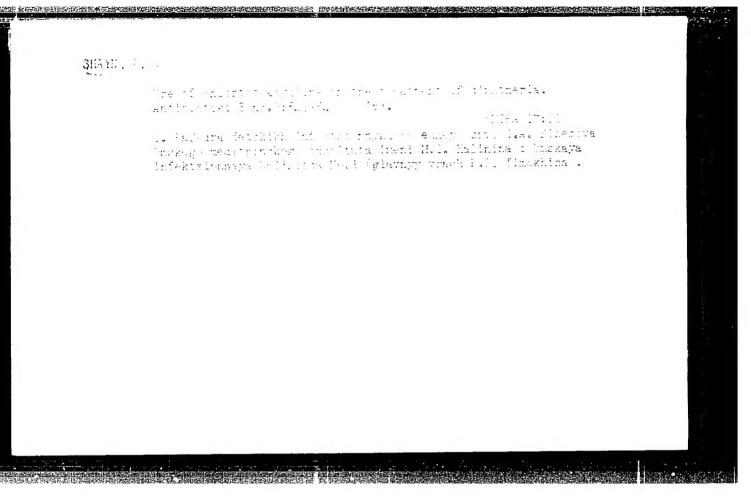


DOSPEKHOV, B.A., kand. sel'akokhoz, nauk, dotsent; SHAYMUKHAMETOVA, A.A., aspiran'ka

Group and chemical composition of soil particles smaller than 0.01 mm of size in a continuous field experiment. Izv. TSKHA no.6:74-84 *63. (MIRA 17:8)

SHYUYMM, WART IRVITUDOTICH	.351	
Avicanty (instructio Thehines) Miskve, Ashgir, 142.		
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662		
1-12 741 N/2		
0 2,2 B-7		





ACC NR. A-7009501

SOURCE CODE: UR/0114/66/000/011/0028/0031

AUTHOR: Tokar', I. Ya. (Candidate of Technical Sciences); Byalyy, B. I. (Engineer); Shayn, A. S. (Engineer)

ORG: none

TITLE: Design of thrust bearings

SOURCE: Energomashinostroyeniye, no. 11, 1966, 28-31

TOPIC TAGS: viscous flow, friction

SUB CODE: 20

ABSTRACT: An analysis of an analytic solution for the three-dimensional hydrodynamic problem of the flow of a viscous liquid between surfaces of complex form with a fixed law of distribution of oil pressure on the boundaries of the area. Formulas are produced for the distribution of pressure, carrying capacity, friction and oil expenditure, calculation with which gives completely satisfactory correspondence with the results of calculation using the finite differences method on the "Ural" computer and with experimental data. Orig. art. has: 2 figures, 24 formulas and 5 tables. [JPRS: 40,102]

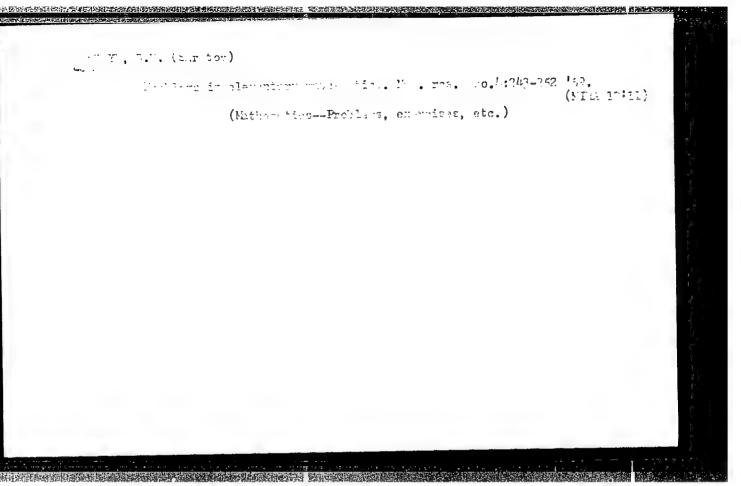
Card 1/1

UDC: (62-233.23+63-762)62-135.001.24

SHAYN, B.M.

Symmetrical generalized heaps. Rauch.dokl.vys.shkoly; fiz.mat.nauki no.1:88-93 '59. (MIRA 13:1)

1. Saratovskiy gosudarstvennyy universitet im. N.G.Chernyshevskogo. (Groups, Theory of)



s/020/60/134/005/029/035XX

16,2000

AUTHOR: Shayn, B.M.

A System of Axioms for Semigroups Comprisable Within Generalized TITLE:

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol.134, No.5, pp.1030-1033

TEXT: A conjunction of a finite set of assertions $B_k \wedge B_{k+1} \wedge \ldots \wedge B_{k+m}$ is

denoted by $\bigwedge B_i$.

A subgroup is called a generalized group if for every element g of this subgroup there exists an element g^{-1} so that $gg^{-1}g = g\Lambda g^{-1}gg^{-1} = g^{-1}$ and the idempotents of the subgroup can pairwise be changed. A semigroup is called comprisable within a generalized group if the semigroup can be mapped isomorphically into a generalized group. The investigation of the comprisability can be restricted to semigroups with a unity. The letters u, v, x, y, z denote individual variables for the set D of the elements of the considered subgroup. The quasiorder (cf.(Ref.4)) between the elements of the semigroup D is called stable if

Card 15

S/020/60/134/005/C29/035XX C111/C222

A System of Axioms for Semigroups Comprisable Within Generalized Groups

 $\begin{array}{c} xv\in\zeta<z>\wedge\\ uv\in\zeta<z>\wedge\\ uy\in\zeta<z>\rightarrow\\ xy\in\zeta<z>\end{array}$ is satisfied. The intersection $\widehat{\zeta}$ of all quasiorders ζ of D is denoted as a strong quasiordering relation.

Theorem 1: In order that a semigroup is comprisable within a generalized group it is necessary and sufficient that the strong quasiordering relation of this semigroup is an ordering relation.

The condition of theorem 1 can be written in the form

(1)ENE CAD.

where \triangle_{B} denotes the identical binary relation between the elements of the semigroup D.

Let the binary relations 5_0 , 5_1 ,... between the elements of D be defined

Card 2/5

s/020/60/134/005/029/035XX 0111/0222

A System of Axioms for Semigroups Comprisable Within Generalized Groups

Then it holds
$$5_{n_2}$$
, 5_{n_1} , $5_{n_1+n_2}$, 5_m , 5_{m+1}

and
$$(4) \qquad \widehat{S} = \bigcup_{m=1}^{\infty} \widehat{S}_m.$$

With the aid of (4) it is proved that the strong quasiordering relation of the semigroup is stable. The condition (1) is equivalent to

(5)
$$5_n \int_{n}^{-1} \triangle_{D}$$
 for all n.
The relation (5) can elementarily be written:

Card 3/5

CIA-RDP86-00513R001548730003-0" APPROVED FOR RELEASE: 08/09/2001

85953 s/020/60/134/005/029/035XX C111/C222

A System of Axioms for Semigroups Comprisable Within Generalized Groups

For a fixed n the formula (6) is denoted by A_n . Theorem 2: The sequence of axioms A_1 , A_2 ,... characterizes the class of semigroups which are comprisable within generalized groups. (6) is a scheme of axioms Theorem 3: Let A_m and A_n be two axioms, m < n. Then A_m follows from A_n ; but A_n does not follow from A_m .

Card 4/5

8595**3**

S/020/60/134/005/029/035XX C111/C222

A System of Axioms for Semigroups Comprisable Within Generalized Groups
Theorem 4: No finite system of elementary axioms can characterize the class of semigroups which are comprisable within generalized groups.
The author mentions A.I.Mal'tsev and thanks V.V.Vagner for the theme.
There are 6 references: 4 Soviet, 1 English and 1 American.

ASSOCIATION: Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskogo (Saratov State University imeni N.G.Chernyshevskiy)

PRESENTED: May 30, 1960, by A.I.Mal'tsev, Academician

SUBMITTED: May 26, 1960

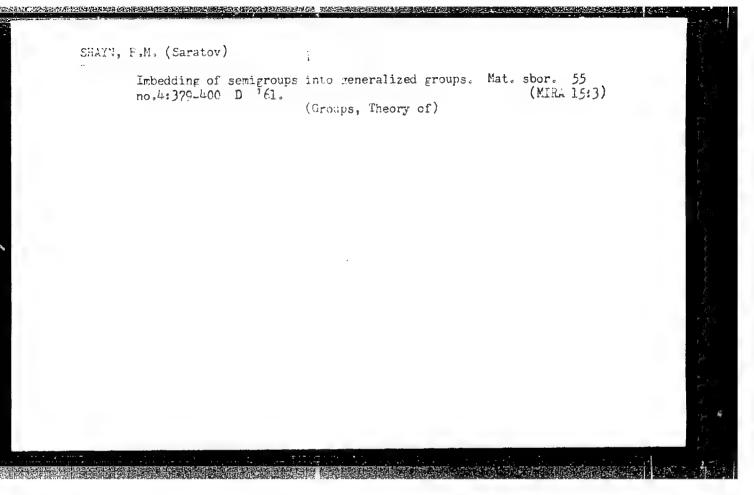
Card 5/5

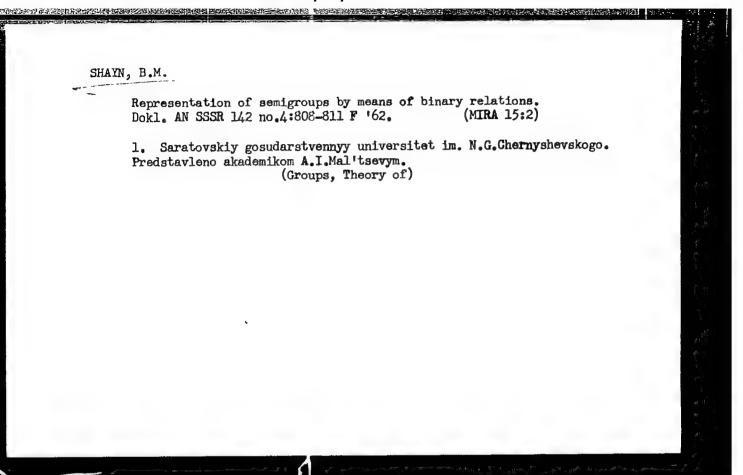
SHAYN, B.M.

System of axioms for semigroups inbeddable in generalized groups.

Dokl. AN SSSR 134 no.5:1030-1033 0 '60. (MIRA 13:10)

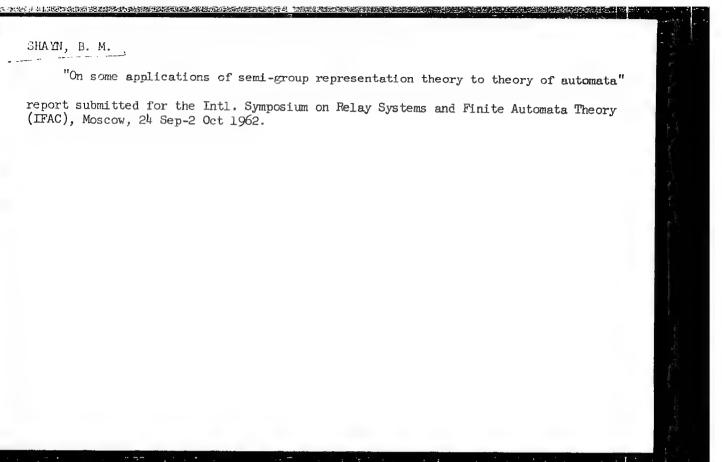
1. Saratovskiy gosudarstvennyy universitet im. N.G.Chernyshevskogo. Predstavleno akademikom A.I.Mal'tsevym.
(Groups, Theory of)





Representation of generalized heaps. Izv. vys. ucheb. zav.; mat. no.6:142-154 '61. (MIRA 15:3)

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskogo. (Groups, Theory of)



SHAYN, B.M.

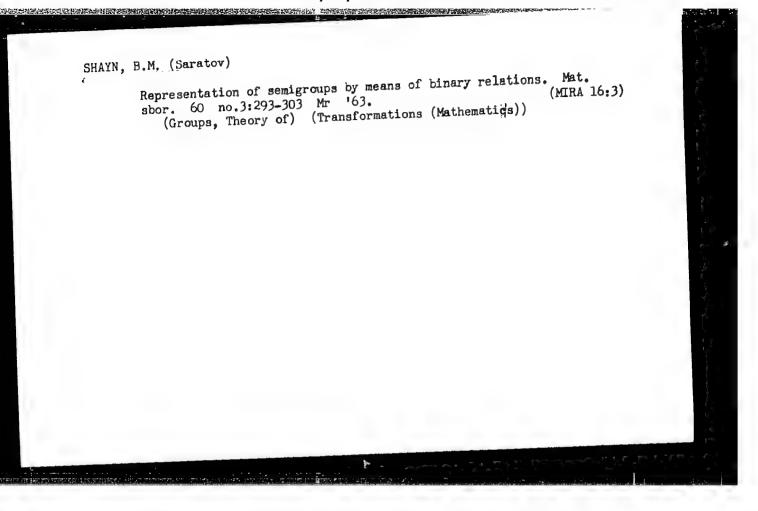
Representations of generalized groups. Izv. vys.ucheb. zav.;
mat. no.3:164-176 '62. (MIRA 15:9)

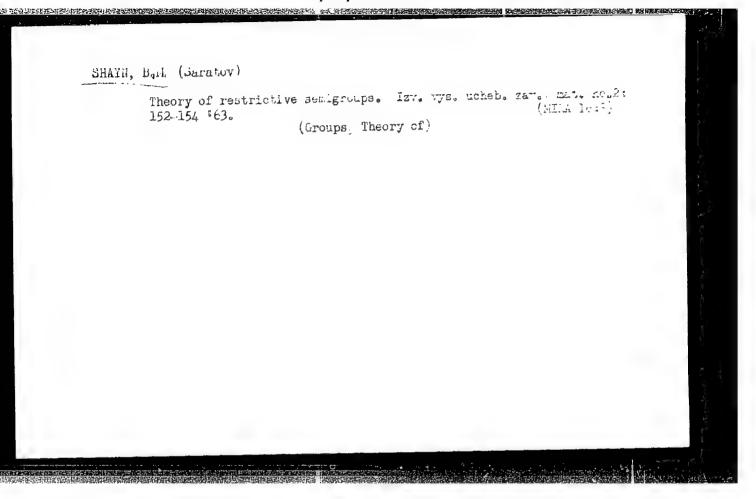
1. Saratovskiy gosudarstvennyy universitet imeni N.G.
Chernyshevskogo. (Groups, Theory of)

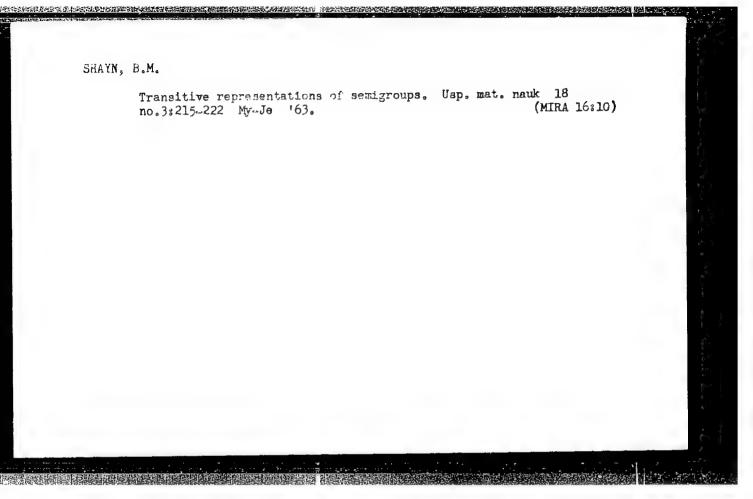
SHAYN, B,M,

Subdirectly nonexpandable semigroups. Dokl. AN SSSR 1/4 no.58 999-1002 Je '62. (MIRA 15:6)

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskogo. Predstavleno akademikom A.I.Mal'tsevym. (Groups, Theory of)



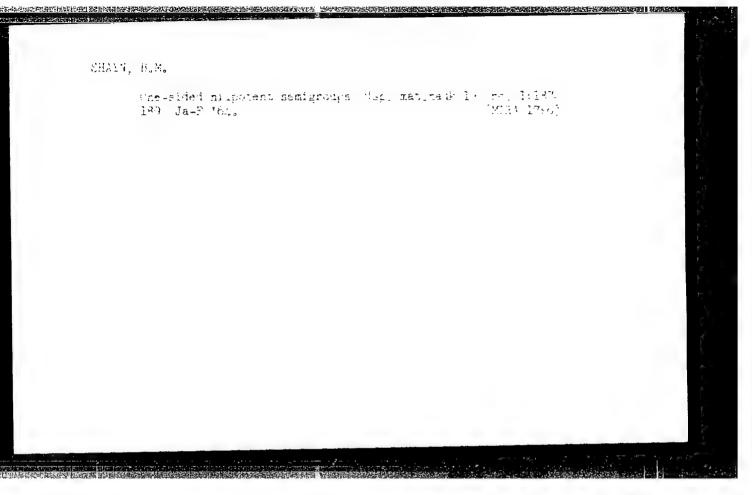




SHAYN, B.M.

Theory of generalized groups. Dokl. AN SSSR 153 no.2:296-299 N (MIRA 16:12)

1. Saratovskiy gosudarstvennyy universitet im. N.G.Chernyshevskogo. Predstavleno akademikom A.I.Mal'tsevym.



SHAYN, B.M.

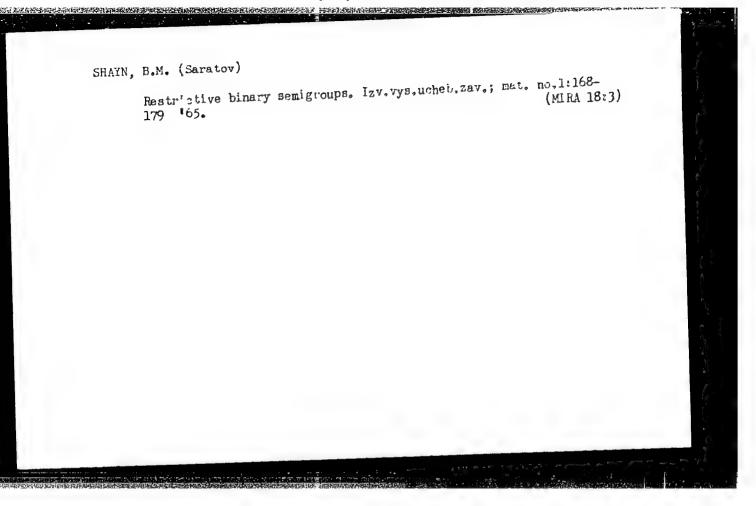
Involutory semigroups of complete binary relations. Dokl. AN SSSR 156 no.6:1300-1303 Je '64. (MIRA 17:8)

1. Saratovskiy gosudarstvennyy universitet imeni N.G. Chernyshevskogo. Predstavleno akademikom A.I. Mal'tsevym.

SHAYN, B.M. (Saratov)

Representation of ordered semigroups. Mat. sbor. 65 no.2:188-197
0 '64.

(MIRA 17:11)



L 60285-65 EWT(d) ACCESSION NR: AP5021196

CZ/0045/64/000/004/0259/0262

AUTHOR: Schein, Boris M. (Shayn, Boris M.) (Saratov)

TITLE: Generalized groups with the well-ordered set of idempotents

SOURCE: Matematicko-fyzikalny casopis, no. 4, 1964, 259-262

TOPIC TAGS: group theory

Abstract (English article, Author's Russian summary, modified): The following theorem is proved: If the set of all idempotents of a generalized group is well-ordered (in the canonical order relation of that generalized group), the given generalized group is Cliffordian (that is, it satisfied the condition gg for any element g). Orig. art. has 3 formulas. = g

ASSOCIATION: Kafedra geometrii mekhaniko-maticheakogo fakuliteta Saratovakogo gosudarstvennogo universiteta, Saratov SSSR (Department of Geometry of the Machanica and Mathematics Faculty, Saratov State University)

SUBMITTED: 19May64

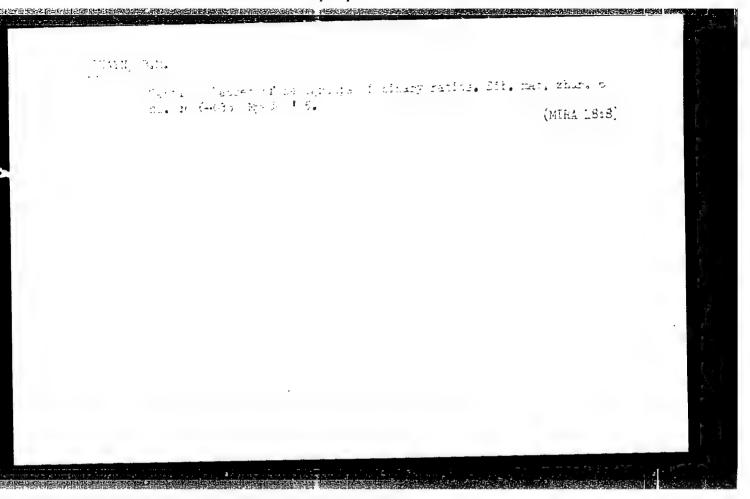
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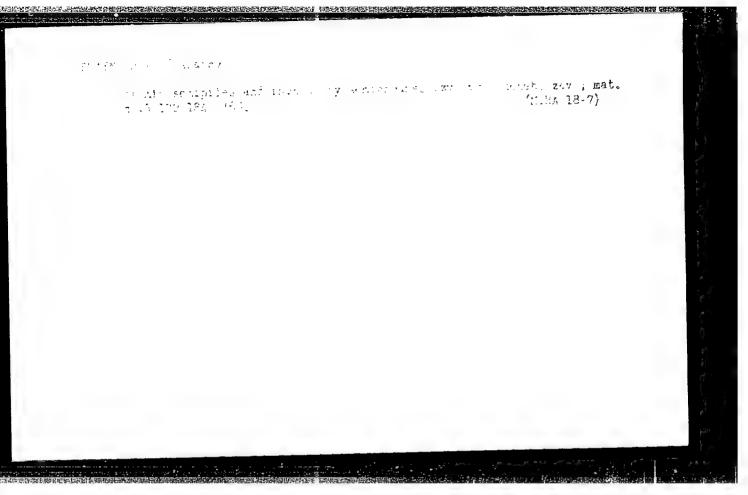
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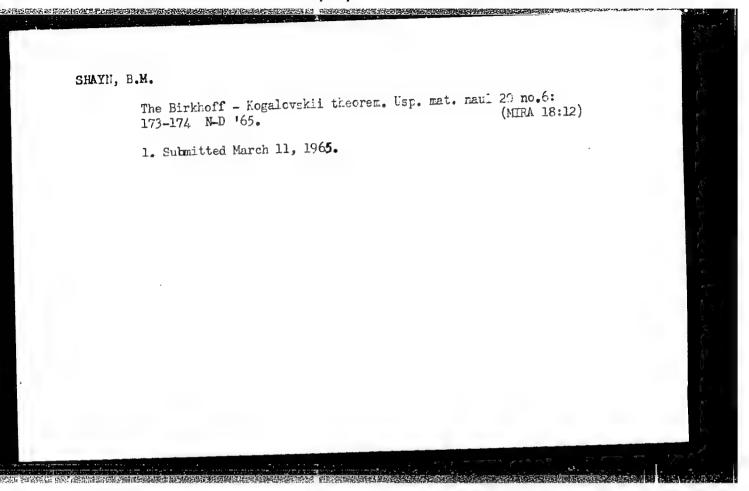
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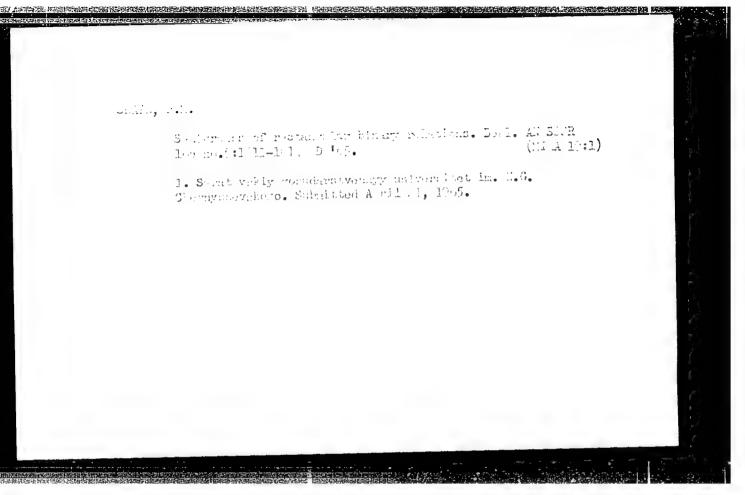
OTHER:

JPRS









SHAYN, D.A.

Industrial utilization of meat-hydrolysate culture media in the production of biopreparations. Trudy Gos.nauch.-kont.inst. vet.prep. 4:409-415 '53. (MIRA 7:10)

1. Omskiy biokombinat. (Bacteriology--Cultures and culture media)

USSR/Virology - Hurn., and Animal Viruses.

E-3

: Ref thur - Biol., No 12, 1953, 52658 Abs Jour

: Likhachev, N.V., Shayn, D.A., Fedyushina, T.M. Author

Inst

: Experimental Preparation of a Tissue Vaccine Against Title

Sheep Similpox.

: Inform. byul. biol., prom-sti, 1957, No 2, 8-12 Orig Fub

: In order to avoid loss of virus in tissues, the prepara-Abstract

tion is recommended of a vaccine from a virus suspension in the proportion of 1:20 (without quinosol) containing 20% Olycerine. A tissue aluminum hydroxide vaccine, introduced in 2 ml doses, creates a stable immunity in sheep, serviceable for a period of no less than 8 months; the output of material from infected sheep is increased considerably in preparing a tissue vaccine. Since the close in this method is smaller 2 times as many enimals can be

vaccinated with the same amount of vaccine.

Card 1/1

: Tr. Gos. nauchno-control'n. in-ta vet. preparatov, 1957, 7, 255-257

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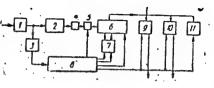
Card 1/1

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ACC NR: AP6015634

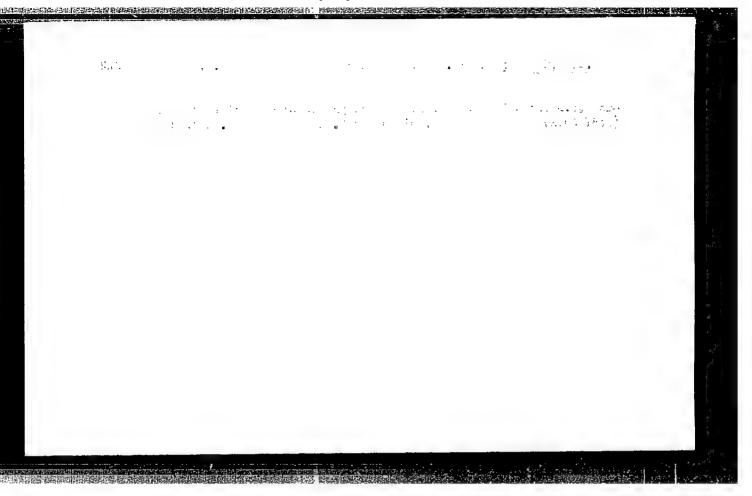
Fig. 1. 1 - alternating voltage amplifier; 2 - frequency modulator; 3 - clipper; 4 - counter pulse shaper; 5 - counter pulse rectifier; 6 - reversible counter; 7 - trigger of the reverser; 8 - command device; 9-11 - output units



To determine the sign of the increment of the average input signal value, the cutput of the reversible counter is connected by parallel tie lines to the potential coincidence circuit. The output of the potential coincidence circuit is connected through a differentiating circuit to the output controlled rectifier. To measure the increment of the average value of the input signal, the output of the reversible counter is connected by parallel tie lines to the discriminator. The output of the discriminator is connected to the digital indicator with a memory. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 15Apr65

Card 2/2



L 26675-66 EWT(1)/EWA(h)

ACC NR: AP6017128

SOURCE CODE: UR/0410/65/000/002/0069/0076

AUTHOR: Kantorovich, V. B. (Baku); Melik-Shakhnazarov, A. M. (Baku); Shayn,

(Baku)

ORG: none

TITLE: Investigation of the process of equilibration in digital automatic AC compensators [This paper was presented at the 6th All-Union Conference on Automatic Control and Methods of Electrical Measurment held at Novosibirsk in Sept., 1964]

SOURCE: Avtometriya, no. 2, 1965, 69-76

TOPIC TAGS: hodograph, digital system

ABSTRACT: The article presents a graphoanalytic method for investigation of the process of equilibration in digital automatic rectangular-coordinate ac compensators which consists of construction of a hodograph of the difference voltage ΛV on the plane of compensating voltages and analysis of the nature of its displacement. A dependence is produced for the allowable degree of interdependence of the equilibration circuits and the compensator parameters. Orig. art. has: 4 figures and 12 formulas. [JPRS]

SUB CODE: 09 / SUBM DATE: 15Sep64 / ORIG REF:

Card 1/1

UDC: 621.317.7.083.5

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730003-0"

Aliyev, T. M.; Melik-Shakhnazarov, A. M.; Shayn, I. J. Automatic alternating current compensating devices (Avtomaticheskiye kompensatsion- niye ustroystva peremennogo toka) Baku, Azgiz, 1965. 359 p. illus., biblio. 1,360 copies printed FOPIC TAGS: automatic control, industrial automation, petroleum industry, potentioneter FURPOSE AND COVERAGE: The book is devoted to the theory of construction and practical application of automatic null-type measuring devices for alternating current, such as automatic potentiometers for laboratory and factory use. The instruments dealt with are automatic compensators for laboratory research, both universal and special-purpose, automatic compensation devices for production research, and automatic compensation devices for automatic control. The book deals with the theory, construction, and devices for automatic control. The book deals with the theory, construction, and application of the various measuring devices, based on both the author's own research, and on the published literature by a number of workers in the field. It contains also the results of experience in the development and use of automatic null-type ac devices resulting from research carried out at the Azerbaydzhan Institute of 041 and Chemistry im. M. Azizbekov (Baku), the Scientific Research Institute Neftokhimavtomat (Sungait), VNIIEP (Leningrad), the Kuybyshev Polytechnic Institute, the Institute of Automation and Electric Measurements of the Siberian Department of An SSSR (Novo- sibirsk), the Institute of Machine Research and Automation (L'vov), and others. The	25565-66		
intomatic alternating current compensating devices (Avtomaticheskiye kompensatsion- niye ustroystva peremennogo toka) Baku, Azgiz, 1965. 359 p. illus., biblio. 1,360 copies printed OPIC TAGS: automatic control, industrial automation, petroleum industry, potentio- eter URPOSE AND COVERAGE: The book is devoted to the theory of construction and practical poplication of automatic null-type measuring devices for alternating current, such as automatic potentiometers for laboratory and factory use. The instruments dealt with are automatic compensators for laboratory research, both universal and special-purpose, automatic compensation devices for production research, and automatic compensation evices for automatic control. The book deals with the theory, construction, and epilication of the various measuring devices, based on both the author's own research, and on the published literature by a number of workers in the field. It contains also the results of experience in the development and use of automatic mull-type ac devices resulting from research carried out at the Azerbaydzhan Institute of 0'1 and themistry im. M. Azizbekov (Baku), the Scientific Research Institute, the Institute of Sumgait), VNIIEP (Leningrad), the Kuybyshev Polytechnic Institute, the Institute of	CC NR: AM6004738	Monograph	ury 37
niye ustroystva peremennogo toka) Baku, Azglz, 1909. 979 p. 111us, 5211us, 1,360 copies printed PFIC TAGS: automatic control, industrial automation, petroleum industry, potentio- ter REPOSE AND COVERAGE: The book is devoted to the theory of construction and practical explication of automatic null-type measuring devices for alternating current, such as extomatic potentiometers for laboratory and factory use. The instruments dealt with exe automatic compensators for laboratory research, both universal and special-purpose, extomatic compensation devices for production research, and automatic compensation exices for automatic control. The book deals with the theory, construction, and exices for automatic control. The book deals with the author's own research, and on the published literature by a number of workers in the field. It contains less the results of experience in the development and use of automatic null-type ac exices resulting from research carried out at the Azerbaydzhan Institute of 041 and memistry im. M. Azizbekov (Baku), the Scientific Research Institute Neftokhimavtomat sumgait), VNIIEP (Leningrad), the Kuybyshev Polytechnic Institute, the Institute of	iyev, T. M.; Melik-Shaki	mazarov, A. M.; Shayn, I.	Particular.
RPOSE AND COVERAGE: The book is devoted to the theory of construction and practical eplication of automatic null-type measuring devices for alternating current, such as a stronger to the stronger of the compensators for laboratory and factory use. The instruments dealt with results compensators for laboratory research, both universal and special-purpose, and automatic compensation devices for production research, and automatic compensation evices for automatic control. The book deals with the theory, construction, and explication of the various measuring devices, based on both the author's own research, and on the published literature by a number of workers in the field. It contains has the results of experience in the development and use of automatic null-type activities resulting from research carried out at the Azerbaydzhan Institute of O'l and nemistry im. M. Azizbekov (Baku), the Scientific Research Institute, the Institute of Sumgait), VNIIEP (Leningrad), the Kuybyshev Polytechnic Institute, the Institute of Sumgait), VNIIEP (Leningrad), the Scientific Research Department of AN SSSR (Novo-	niye ustroystva perement 1.360 copies printed	nogo toka) Baku, Azgiz, 190	,. 3,59 p. 111us., 222223
plication of automatic null-type measuring devices for alternating devices for alternating the instruments dealt with tomatic potentiometers for laboratory and factory use. The instruments dealt with reautomatic compensators for laboratory research, both universal and special-purpose, tomatic compensation devices for production research, and automatic compensation evices for automatic control. The book deals with the theory, construction, and explication of the various measuring devices, based on both the author's own research, and on the published literature by a number of workers in the field. It contains to the results of experience in the development and use of automatic null-type activities resulting from research carried out at the Azerbaydzhan Institute of o'l and remistry im. M. Azizbekov (Baku), the Scientific Research Institute, the Institute of Sungait), VNIIEP (Leningrad), the Kuybyshev Polytechnic Institute, the Institute of Sungait), VNIIEP (Leningrad), the Scientific Research Department of AN SSSR (Novo-	ter		
2	pplication of automatic automatic potentiometers re automatic compensator automatic compensation de evices for automatic compelication of the various and on the published litelso the results of experevices resulting from rehemistry im. M. Azizbeko Sumgait), VNITEP (Lening automation and Electric Mibirsk), the Institute of the evices are also and electric Mibirsk), the Institute of the evices are also and electric Mibirsk), the Institute of the evices are also and electric Mibirsk), the Institute of the evices are also and electric Mibirsk).	for laboratory and factory is for laboratory and factory is for laboratory research, vices for production resear trol. The book deals with a measuring devices, based rature by a number of worke ience in the development an search carried out at the Av (Baku), the Scientific Rerad), the Kuybyshev Polytec	ise. The instruments dealt with both universal and special-purpose, ich, and automatic compensation the theory, construction, and on both the author's own research, is in the field. It contains if use of automatic null-type ac zerbaydzhan Institute of 0'1 and search Institute, the Institute of Department of AN SSSR (Novo-
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APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730003-0"

L 25565-66 ACC NR: AM6004738 book is intended for egineering, technical, and scientific workers engaged in the development and application of means of automation, information and measuring techniques, and computation techniques for the oil, electrochemical, chemical, and other branches	de l'inches man descripto de la mire.
TABLE OF CONTENTS [abridged]: Introduction 3 Ch. I. Automatic follow-up mull-type ac devices with continuous balancing 10 Ch. II. Digital automatic mull-type ac devices 198	And the second s
Ch. II. Digital automatic muli-type at devices operation - 235 Ch. III. Automatic ac mull devices with cyclic operation - 235 Ch. IV. Problems of application of automatic mull-type devices for alternating current - 257 Literature - 351 SUB CODE: 14/ SUBM DATE: 16Apr65/ ORIG REF: 135/ OTH REF: 015	The state of the s
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APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730003-0"

SHAYN, I.L.

Designing voltage dividers for compensation circuits. Izv.vys.ucheb.

zav.; prib. 3 no.5:20-24 '60.

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova.
Rekomendovana kafedroy elektricheskikh izmereniy i avtomaticheskikh ustroystv.

(Voltage regulators)

SHAYN, I.L.

Automatic control of a.c. rectangular crossbar compensators. Izv.vys.ucheb.zav.;prib. 4 no.4:32-38 '61. (MIRA 14:9)

1. Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova, Rekomendovana kafedroy elektricheskikh izmereniy i avtomaticheskikh ustroystv.

(Electric controllers)

327.07 \$/146 61/004/006/009/020

9.6000 (1040,1067,1089,1331)

Melik-Shakhnazarov, Shayn, I. L. and Aliyev, T. M.

TITLE: On the problem of designing automatic digital a.c. compensators

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Priborostro-

yeniye. v 4, no. 6, 1961, 67-71

TEXT: The authors consider the process of automatic balancing in a digital a.c compensator as shown in Fig. 2. The circuit consists of an in-phase voltage compensating unit $\mathbf{U}_{\mathbf{KX}}$, a quadrature voltage compensating unit $\mathbf{U}_{\mathbf{k}\mathbf{v}}$, a null-arrangement and an output stage, consisting of voltage amplifiers, a power amplifier pulse generator, phase-shifting networks, motors, quadrant indicator and digital display of measured voltage. The voltage $\mathbf{U}_{\mathbf{K}\mathbf{b}}$ as applied to the element of continuous balancing is that introduced by every period of discrete balancing ($U_{\rm Kd}$ = $U_{\rm Kb}$). If the measured voltage

Card 1/5

AUTHORS:

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730003-0"

32969 S/146/61/004/006/009/020 D001/0301

On the problem of designing

 $\rm U_m \setminus \rm U_{kb}$, the measurement is made as in the normal automatic compensator of continuous action by b. P. Kulikovskiy, A. M. Melik Shakhnazarov (Ref. 2: Kompensatory peremennogo tika GEI, 1)eO [i.e. the voltage difference Au $\rm U_m$ $\rm U_{kx}$ $\rm U_{ky}$ and the formal ges D until balance is obtained. If $\rm U_m \setminus \rm U_{ky}$ the element of centinuous balancing introduces the maximum value of $\rm U_m$ and thus closes the contact B and connaits the distrete balancing element the wireding $\rm S_b$ of a step by-step switch to the scare of timing pulses. The discrete balancing voltage until the compensating voltage we can greater than the measured one. When this occurs the phase of the amplifier output voltage changes, the balancing strouts shift in the specific direction and the discrete balancing element is disconceated from the source of timing pulses. The relancing stroot specific perates until full compensation is achieved. If condition $\rm U_{c} \, \rm U_{c} \, \rm V_{c} \,$

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32969 S/146/61/004/006/009/020 D201/D301

On the problem of designing ...

balancing circuit closes the switch M, reversing the discrete balancing circuit. The above circuit has been tried successfully by the authors at the Department of Electrical Measurement and Automation of the Azerbaydzhan Institute of Petroleum and Chemistry im. M. Azizbekov, with the cooperation of Engineer V. V. Kantorovich, and S. V. Semikhov. The model proved to be stable. Frequency of the timing pulses was 2 c/s so that the balancing period exceeded 15 sec in some cases. At present the authors are engaged in cooperation with the \mathcal{CKB} (SKB) plant "Tochelektropribor" in building a production model of the automatic a.c. current compensator. This article was recommended by the Kafedra elektricheskikh izmereniy i avtomatiki (Department of Electrical Measurement and Automation). There are 4 figures and 2 Soviet-bloc references.

ASSUCIATION:

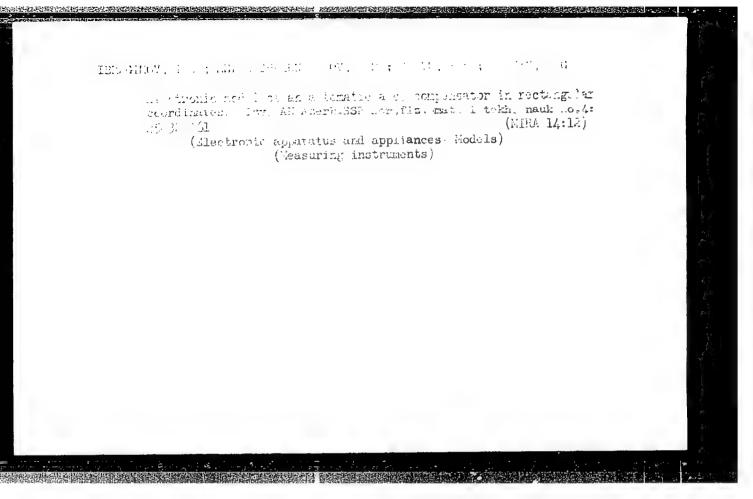
Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova (Azerbaydzhan Institute of Petroleum and Che-

mistry im. M. Azizbekov)

SUBMITTED:

March 25, 1961

Card 3/5.



SHAYN, I.L.; KONTAROVICH, V.B.

Universal automatic a.c. device. Za tekh.progr. 3 no.3:4-8 Mr '63. (MIRA 16:10)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

MELIK-SHAKHNAZA OV, A.M.; ALIYEV, T.M.; SHAYN, I.L.

Self-compensating apparatus for measuring the electric conductivity of drilling fluids. Izv. vys. ucheb. zav.; neft' i gaz 6 no.2: 101-104 '63. (MIRA 16:5)

Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova.
 (Oil well drilling fluids—Electric properties)

MELIK-SHAKHNAZAROV, A.M.; ALITEV, T.M.; SHAIN, I.L.

Investigating the balancing process in an automatic rectangular-crossbar a.c. compensator. Za tekh.prog. 3 nc.9:1-5 S '63. (MIRA 16:10)

1. Azərbaydzhanskiy institut nefti i khimil im. M.Azizbekova.

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730003-0"

"APPROVED FOR RELEASE: 08/09/2001 CIA-F

CIA-RDP86-00513R001548730003-0

L 1361/1-65 ACCESSION NR: AP4046788 S/0115/64/000/008/0034/0036

AUTHOR: Melik-Shakhnazarov, A. M.; Shayn, I. L.; Shakhmardahov, Sh. M.

TITLE: Automatic a-c compensator with an astatic-static balance

SOURCE: Izmeritel'naya tekhnika, no. 8, 1964, 34-36

TOPIC TAGS: AC compensator, single rheochord compensator

ABSTRACT: A new automatic single-rheochord a-c compensator is described. The compensator permits measuring both components of the voltage alternatively by using one balancing channel (one electronic amplifier, one final element, one readout). High accuracy is attained through simultaneous compensation of both components of the measurand, one of them being compensated astatically by means of the actuator motor and the rheochord, and the other by means of a negative feedback taken from a preamplifier. The voltage component measured on the rheochord scale is noted, and then the phases of compensating and

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ACCESSION NR: AP4046788

reference voltages of the balancing channel are shifted by 90°, which permits measuring the second voltage component. An experimental model had a range of 50 mv, a balance-channel sensitivity of 10 microv, an error due to the second-channel interference of 0.04%, and a total error of 0.3%. Orig. art. has: 2 figures and 11 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EE

NO REF SOV: 005

OTHER: 000

Card 2/2

L 18232-65 EWT(1)/EPR/EWA(h)/EWA(m)-2 Ps-4/Peb AEDC(b)/AFTC(p) WW

ACCESSION NR: AP4048296 S/0146/64/007/005/0108/0114

AUTHOR: Shayn, I. L.; Abarinov, Ye. G.

TITLE: Designing high-accuracy electromagnetic flow meters 15

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 5, 1964, 108-114

TOPIC TAGS: flow meter, electromagnetic flow meter

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ABSTRACT: An electromagnetic flow meter with a special automatic rectangular-coordinate a-c compensator which compensates both the desirable signal and the quadrature noise is described. On the simplified diagram (see Enclosure 1), U_X is the sensor signal; U_K and jU_K are the compensating quadrature voltages; 1 -voltage amplifier; 2 and 3 - phase shifters; 4 and 5 - power amplifiers; D_4 and D_8 - actuator motors. It is claimed that an experimental model of the meter had an accuracy of 0.5%. These conclusions are offered: (1) The possibility of designing a secondary instrument with an error of 0.2% or better for the electromagnetic

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L 18232-65

ACCESSION NR: AP4048296

flow meter is demonstrated; (2) In addition to the automatic compensation of quadrature noise, the latter should be minimized by static methods; (3) The position of phase-sensitivity vectors has a negligible effect on the overall error of the secondary instrument; (4) The sensitivity of the "amplifier motor" channel to quadrature signal has a considerable bearing on the error of measurement. Orig. art. has: 3 figures, 12 formulas, and 1 table.

ASSOCIATION: Azerbaydzhanskiy institut nefti i khimii im. M. Azisbekova (Azerbaidzhan Institute of Petroleum and Chemistry)

SUBMITTED: 20Dec63

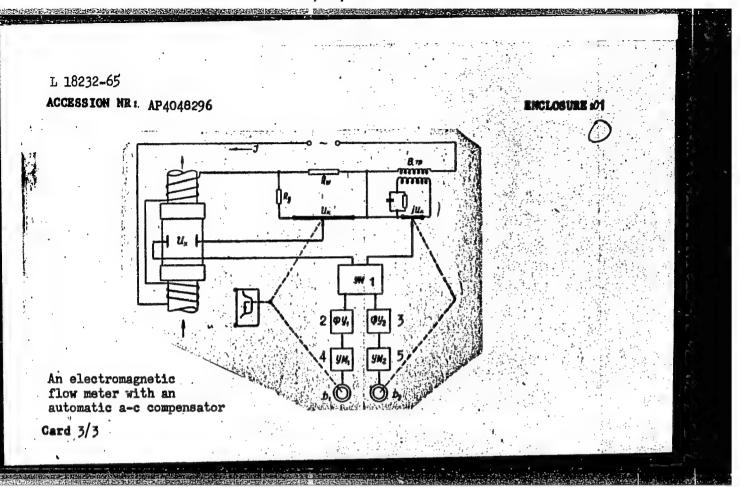
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NO REF SOV: 010

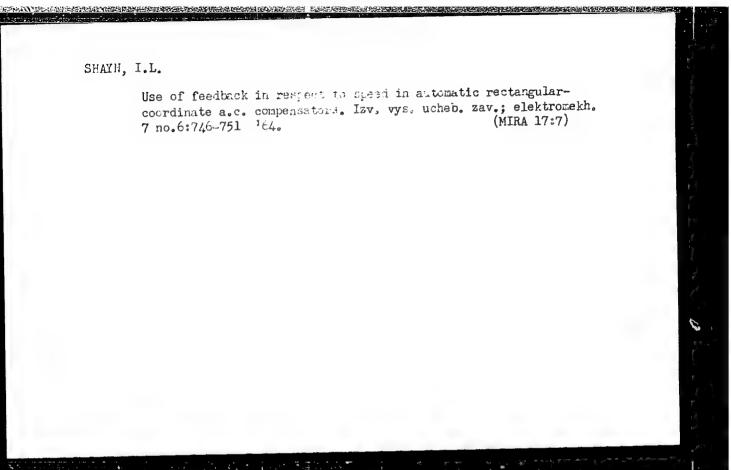
OTHER: 000

Card 2/3



ALTY T.F. . 11E-SHAFHMAZA.CV, A.M.; SHAYM, I.L.; RASHEVJHAYA, ..., rod.

(Automatic a.c. compensating devices] /vtcnaticheskie kommentationnye ustroistva peremennoyo toka. Baku, Azerbaidzham-lève gos. izd-vo, 1965. 359 p. (NIGA 18:10)



SHAYN, L.A.

Strengulated intestinal obstruction in a child caused by Macke'ls diverticulum. Nov.khir.arkh. no.6:134 N-D '58. (MIRA 12:3)

1. Khirurgicheskoye otdeleniye Belgorod-Dnestrovskoy gorodskoy bol'nitsy, Odesskoy obl.

(INTESTINES--BOSTRUCTIONS)

SHAYN, L.A.

Echinococcosis of the spleen. Knirurgiia 34 no.4:120-121 Ap '58 (MEA 11:7)

1. Is knirurgicheskogo otdeleniya (zev. V.V. Pen'kevich) BelgorodDnestrovskoy gorodskoy bol'nitsy (glavnyy vrach M.S. Hondarenko).

(SPIENS, diseases
echinococcosis, case report (Rus))
(ECHINOCOCCOSIS, case reports
apleen (Rus))

S/169/61/000, Lc/C55/039 A005/A130

Ayzu. Kh., Fudzhimoto, I., Khazegava, S., Koshiba. M., AUTHORS:

Mi. to, I., Nishimura, Dzh., Iokon, K., Shayn, M.

Primary cosmic radiation at Prince Albert, Canalo TITLE:

PERIODICAL: Referativnyy zhurnal, Geofizika, no. o, 1961, 12, acceptant 6083. (Tr. Mezhdunar. konferentsii pe kosmich. lunham, 1959.

T. 3. Moseow, AN SSSR, 1960, 110-115)

The authors analyzed data from the recording of heavy modeled of primary cosmic radiation. The measurements were conducted or September 11, 1957 with the aid of a photoemulsion pile at an altitude (2 36 kg (geomagnetic latitude 62°N). Differential energy spectra were obtains of α oparticles, nucleus groups C, N, O; F - Si; P - Fe, and Li, B4 and in the energy range from 150 to 800 Mev/nucleon. The shapes of the spectra for all groups except Li, Be and B were the same. The streams of Lie, Beand Benuclei evince a pronounced increase of intensity (relative . the C. N and O groups) at energies of 300-700 Mev/nucleon. Analysis at the

Card 1/2

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Primary cosmic radiation at Prince Albert, Canada A005/A12

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fragmentation probability of the heavy nuclei as a function of shows that the relative increase in quantity of the light nuclei of a shows that the relative increase in quantity of the light nuclei of a short of the quantity of matter permeable to heavy $(Z \ge 0)$. A energy nuclei. Therefore the authors conclude that the mechanism of four appelleration is not very effective in interstellar space for low and the most probable origin of cosmic rays is in Supernovae of the sequent diffusion throughout the Galaxy. The authors are also of the relative abundance of different elements in primary is liable. They show that a number of peculiarities detected in the pign and a sequence also observed at energies $\approx 700 \text{ MeV/nucleon}$. Owing to = 700 MeV/nucleon. Owing to = 700 MeV/nucleon. On the sequence of the amount of antimatter in primary posmit called the upper limit of the amount of antimatter in primary posmit called = 700 MeV/nucleon.

N. Kaminer

[Atetractor's nove: Complete translation.]

Card 2/2

SHATE, H. P. and CAME, Y. T.

"Abundance of Diffuse Matter in the Outside Region of Planetary Nebulae" lzv. Krymsk. Astrofiz. Observ., 11. 1994. pp 18-21

Authors contradict the hypothesis by T. Page and J. Greenstein (Astrophys. J. 11/1. 98 (1951)) stating that the observed dimensions of planetary nebulae are below their real size, because of absorption of ionized radiation by the outside shell. Authors consider this outside barrier hardly possible, because of the heterogeneous structure of the nebula. Their observations revealed a new filament in nebula NGC 7293 at 11 inches from the center, and in nebula NGC 7635 a blending of diffuse matter with a nebulosity of intermediate type having the shape of a this ellipse. (RZhAstr, No.11, 1954)

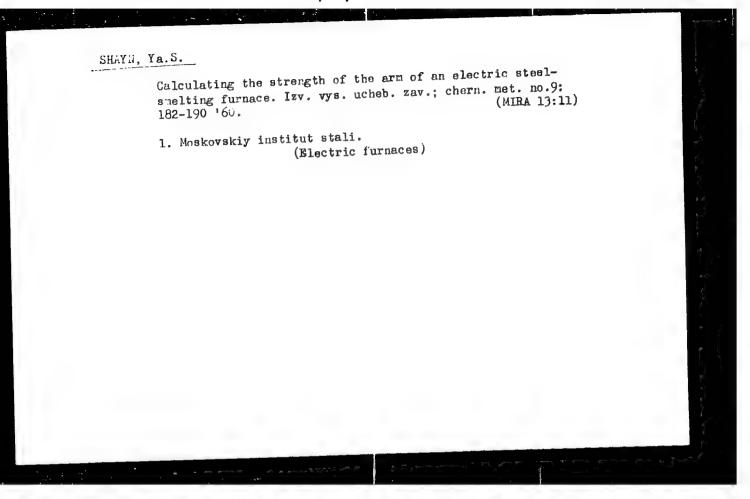
SO: W-31187, 8 Mar 55

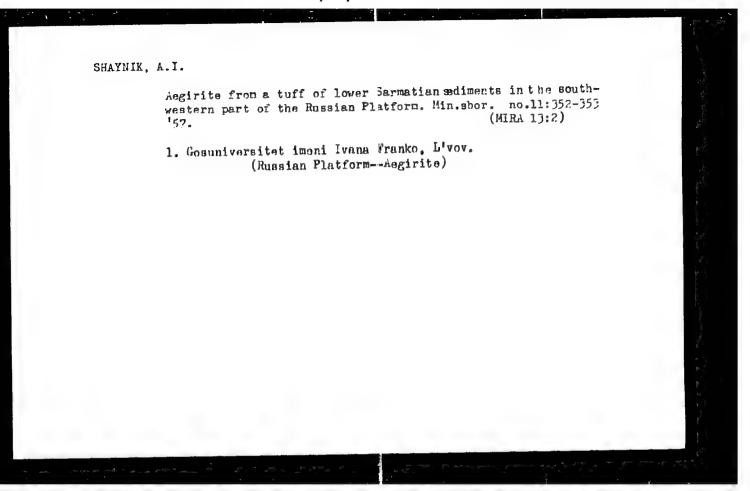
APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730003-0"

KRAPIVIN, Nikolay Nikolayevich, starshir prepodavatel; DZHEMS-LEVI, G.Ye., kand.fiz.-matem.nauk, retsenzent; SHAYN, P.B., kand. tekhn.nauk, retsenzent; CHLOYAN, M., red.; KARZHAVINA, Ye., tekhn.red.

Sergei Alekseevich Chaplygin. Lipetsk. Lipetskoe knizhnoe izd-vo, 1960. 19 p. (MIRA 14:2)

 Lipetskiy pedagogicheskiy institut (for Krapivin). (Chaplygin, Sergei Alekseevich, 1869-1942)





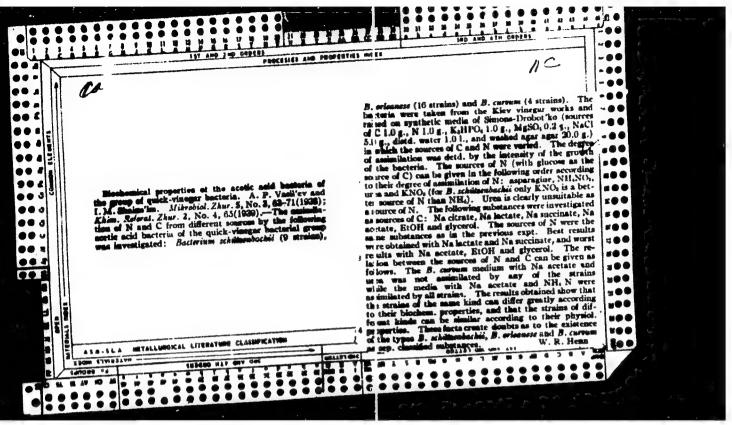
SHATTIAN, A. V. and DUBROVOY, E. K.

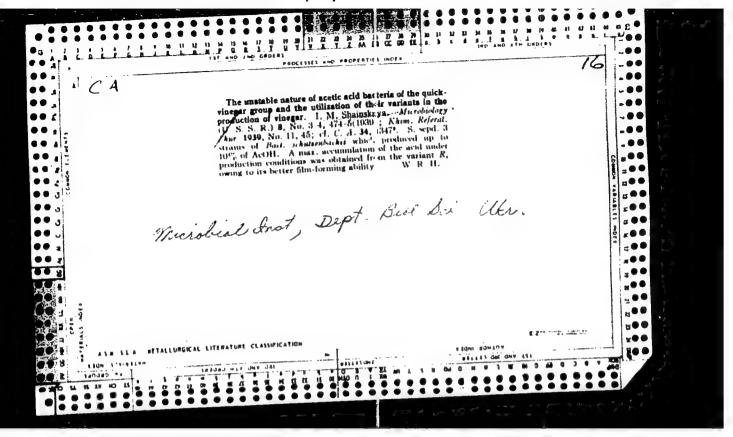
"Universal Sasification of Petroleum Reposits and a Thermal Method of Ferroleum Recovery," GMTI, 193h

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730003-0"

SHAYNOVICH, I.M. (Kostroma)

I.P.Pavlov's opening words at the commemorative session of the Sechenov Society of Russian Physiologists held in Leningrad on Dec. 26, 1929, in honor of the 100th anniversary of I.M.Sechenov's birth. Zhur.nevr. i psikh. 55 no.11:801-804 '55. (MLRA 8:11) (SECHENOV, IVAN MIKAHILOVICH, 1829-1905)





SHAYNSKAYA, I. M.

Variability of acetic acid bacteria; Pacterium Schuzenbachii. Mikrobiologiia, Moskva 19 no.5:426-433 Sept-Oct. 1950. (CLML 20:1)

1. All-Union Scientific-Research Institute of the Canned Foods Industry, Moscow.

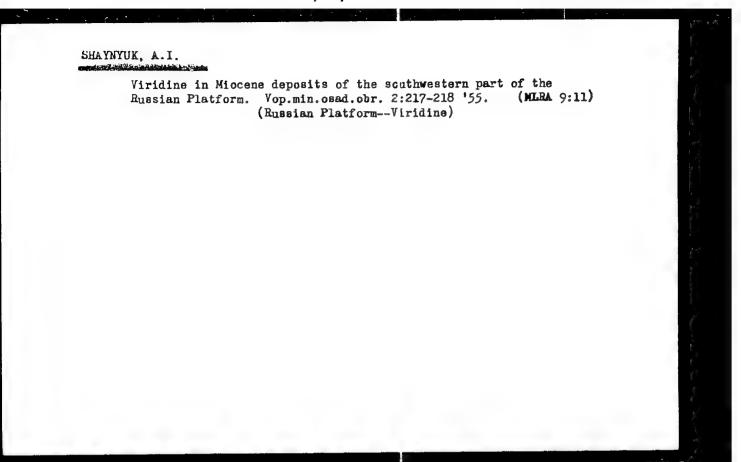
From cultures of P. schuzenbachii three well-defined types have been isolated and obtained in jure culture—a rough form, a mooth form, and a mucous form. Not all forms are obtainable from every strain. The morphological and physiological properties of these forms are described. The rough forms are the most rapidly growing and the **most** least ? active acid producers in all strains investigated.

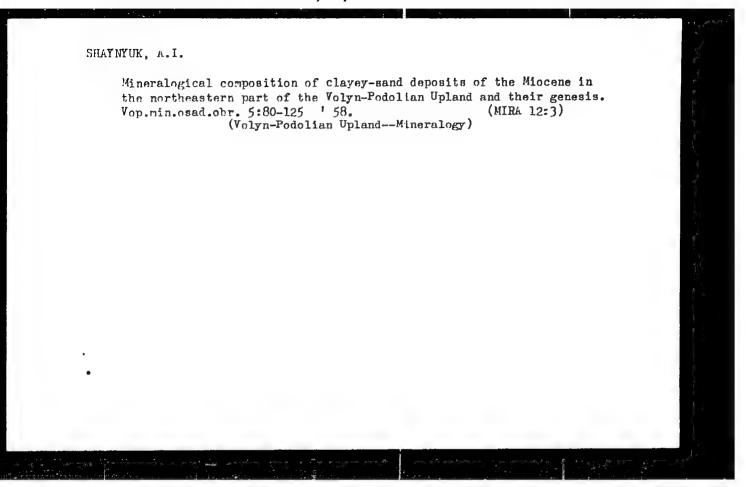
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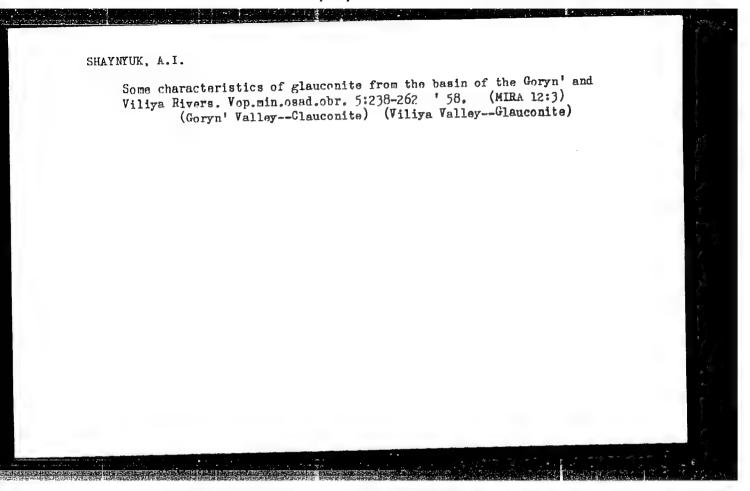
SHAYNSKAYA, I.M.

Isolation and selection of active culture of Acetobacter in industrial production of vinegar. Mikrobiologiia, Moskva 22 nc.1: 72-78 Jan-Feb 1953. (CIML 25:4)

1. All-Union Scientific-Research Institute of the Canned Food Industry.





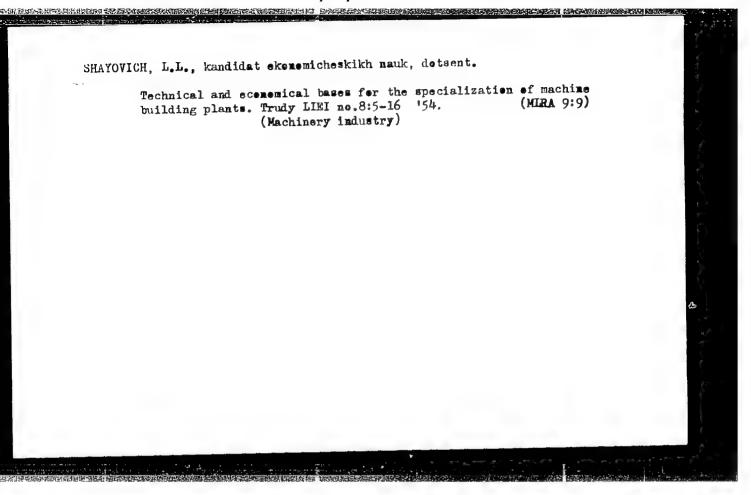


SHAYRYUK, A. I., Cand. Jeol-Mineral. Sci. (diss) "Petrography of Miocene Deposits of Northeastern Volyno-Podol'skiy Lowland," L'vov, 1981, 18 pp (L'vov Polytech. Inst.) 175 copies (KL Supp 18-81, 266).

SHAYNY'K, 1.1.

Mineral composition of clays in the Brykov region. Min. sbor. 18
no.40467-475 '64.

1. Institut geologii i geokhimii goryuchikh iskepayemykh AN Ukress, L'vov.



SHAYOVICH, L.L., kandidat ekonomicheskikh nauk, dotsent; ORLOVA, M.I., kandidat ekonomicheskikh nauk.

Consolidated calculation of the work capacity in designing new machines. Trudy LIEI no.10:102-106 '55. (MIRA 9:8) (Machinery-Design)

SHAYENICH, L.L.

PHASE I BOOK EXPLOITATION

469

Yel'yashevich, A.B., Karlik, Ye. M., and Shayovich, L.L.

Ekonomika sotsialisticheskogo mashinostroyeniya (The Economics of Socialist Machine Building) Moscow, Mashgiz, 1957. 475 p. 15,000 copies printed.

Reviewers: Novozhilov, V.V., Prof., Dr. of Economic Sciences, and Stepanov, G.A.; Ed. of Publishing House: Leykina, T.L.,; Tech. Ed.: Speranskaya, O.V.; Managing Ed. of Leningrad Branch of Mashgiz: Bol'shakov, S.A.

PURPOSE: This book is a textbook for undergraduate students enrolled in engineering courses, as well as for personnel employed by planning and design organizations and by machine-building plants.

COVERAGE: The co-authors of this book endeavored to give a systematic presentation of the problems and development of socialist machine-building as a science. Though no complete

Card 1/97

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The Economics of Socialist Machine Building 469

course in the economics of socialist machine-building is offered, a discussion is presented of its basic problems and the following aspects are examined: (1) scope and rate of machine-building development; (2) ways of improving machinery systems and the natural law governing the development of the machine-building industry; (3) personnel and organization of labor; (4) the natural law governing the progress of specialization and cooperation; (5) concentration and distribution of machine-building production; (6) problems concerning the effective use of fixed and turnover assets; (7) economic accountability of machine building. Chapters I, II, III, VII, IX, X, and XI were written by Professor A.B. Balashev; chapters IV, V, and XII, by Docent L.L. Shayovich; and chapters VI and VII by Docent Ye. M. Karlik. It is pointed out in the preface that the co-authors of this book constitute the nucleus of the Department of Machine-building Economics of the Leningrad Institute of Engineering Economics.

Card-2/9)

25(0)

PHASE I BOOK EXPLOITATION

sov/1884

Leningrad. Inzhenerno-ekonomicheskiy institut.

- Nekotoryye voprosy ekonomiki mashinostroyeniya (Some Problems on the Economics of Machine ouilding) [Leningrad] 1957. 176 p. (Series: Its: Trudy, vyp. 18)
 Errata slip inserted. 2,025 copies printed.
- Eds. (Title page): S.A. Volkov, A.B. Yel'yashevich, V.V. Novozhilov, and L.L. Shayovich; Ed. (Inside book): M.U. Slizhis; Tech. Ed.: Ye.A. Pul'kina.
- PURPOSE: These articles are intended for engineers and economists of machinebuilding plants and planning institutes, as well as for students of engineering and economics.
- COVERAGE: This volume consists of eight articles on the economics of machine building. L.L. Shayovich discusses indexes as aids in determining specialization and cooperation levels, and in estimating efficiency when planning enterprises for the production of special goods. Ya.L. Mirkin discusses specialization in the production of equipment for specific purposes. He criticizes the state of production of auxiliary equipment in the precision instrument industry, points out the main trends of concentration and specialization, and analyzes methods for planning the

Card 1/4

Some Problems of the Economics (Cont.)

sov/1884

Lukashevich, L.M. [Engineer and Economist]. Standardization of Designs and Classification of Industrial Processes as Factors in Developing the Conveyer System for the Production of Fittings

45

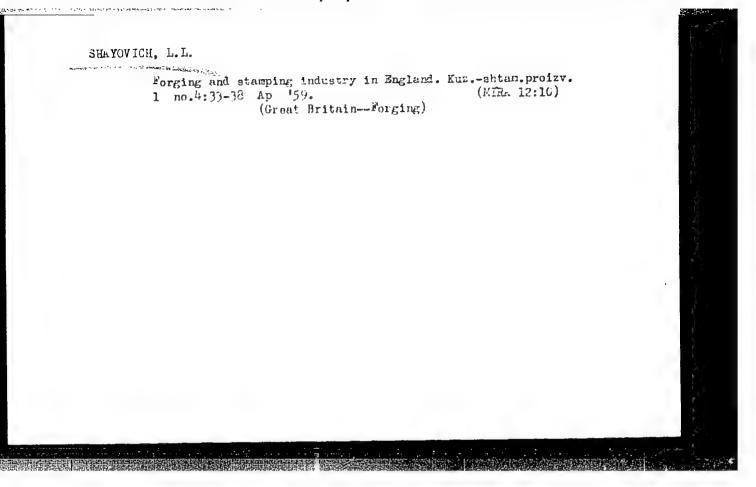
Gushchin, B.D. [Engineer and Economist]. Some Principles in the Selection of Suitable Automatic Machine Tool Lines

Fokina, T.N. [Candidate of Economic Sciences]. Methods for Integrating Estimates of Preliminary Cost of Turbine Blades

Yakuta. K.I. [Engineer and Economist]. Economic Effect of Electrospark Machining of Dies

Teterin, E.V. [Economist]. Unit for Measuring Output of Castings in Accordance
With Cast Models

Card 3/4



VOIKOV. S.A., red.; YEL'YASHEVICH, A.V., red.; SHAYOVICH, L.L., red.

[Problems of specialization and cooperation in machinary manufacturing] Voprosy spetaializataii i kooperirovaniia machinostroitel'nogo proizvodatva. Leningrad, Izd-vo Leningrauniv., 1960. 161 p.

(Machinery industry)

Methods of planning specialization and cooperation in forging and stamping shops. Trudy LIEI no.31:3-29 60. (MIRA 13:10)

(Forging)

SHAYOVICH, L.L., kand.ekonomicheskikh nauk, dotsent

Specialization and cooperation of forging and stamping shops in England. Trudy LIEI no. 31:143-161 160.

(Great Britain-Forging)

(Great Britain-Forging)

SHAYOVICH, Leyzer Leybovich; CHAUN, G.M., inzh., retsenzent;
YEL!YASHEVICH, A.B., prof., red., LEYKINA, T.L., red., izd-va;
CHFAS, M.A., red., izd-va; PETERSON, M.M., tekhn. red.

[Specialization and cooperation in forging and sheet-metal work]
Spetsializatsiia i kooperirovanie kuznechno-shtampovochnogo proizvodstva. Moskva, Mashgiz, 1962. 142 p. (MIRA 15:9)
(Forging) (Sheet-metal work)

AYZENBERG, B.L.; BOLOTOV, V.V.; BRIL', R.Ya.; GERASIMOV, V.N.; GREKOV, V.I.;
DOVETOV, M.Sh.; KAMENSKIY, M.D.; KLEBANOV, L.D.; KONSTANTINOV, B.A.;
KUZ'MIN, V.G.; LYUBAVSKIY, V.I.; MELENT'YEV, L.A.; MIKHALEY, N.N.;
POLYAMSKIY, V.A.; RAZDROGINA, L.A.; SIVAKOV, Ye.R.; STARIKOV, V.G.;
SAVASHINSKAYA, V.I.; SHAYOVICH, L.L.

Igor' Valentinovich Gofman, 1903-1963; obituary. Trudy LIEI
no.51:3-4 '64.

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Georgic (Transcructuris) - Encounts

Growing encounts in Georgic, Les. Mars., 5, No. 9, 1950

9. Monthly List of Russian Accessions, Library of Congress, November 19521955; Uncl.
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SHAYSHÆLASHVILI, E. Z.

"The Influence of the Nervos System on Phagocytosis." Cand Med Sci, Second Msocow State Medical Inst imeni I. V. Stalin, 17 Nov 54 (VM, 9 Nov 54)

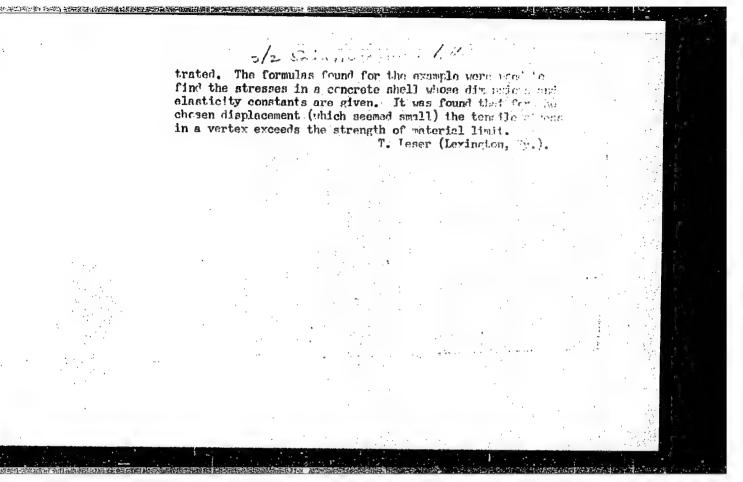
Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

SHAYSHMELASHVILI, V. N.

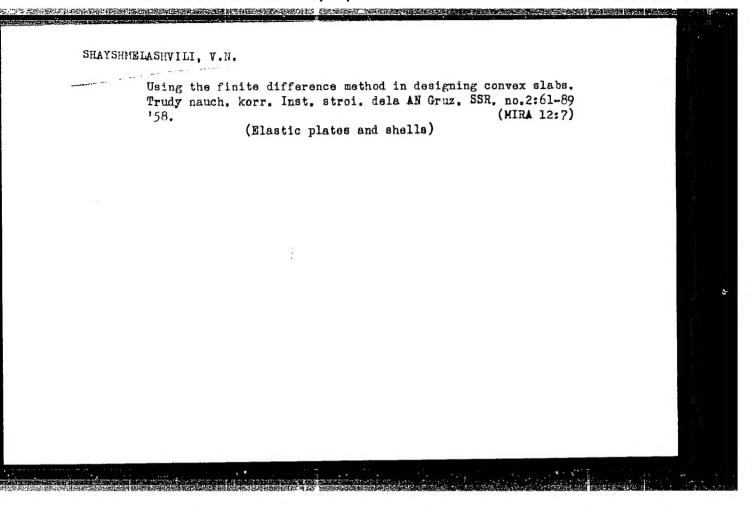
Mathematical Reviews Vol. 14 No. 9 October 1953 Mechanics Saismelarvili, V. F. Approximate computation of a sufficiently sloping spherical shell with a given deformation of the contour. Soot Eceniya Akad. Neuk Gruzin. SSR. 10, 366-614 (1949). (Russian)

The cuthor considers a shell as in the title (i.c., open shell of small curvatures) with rectangular contour when projected on a plane. All four vertices are fixed in hall shape supports which act as hineas. The convex side of the shell is upside. The two simultaneous differential equations determining the stress function and the normal deflections for this kind of a shell are given and referred to the author's previous works (cf. same Soobsceniya 10, 397-403 (1949)). The given deformations on the contour follow the sine law. The author uses the method of finite differences, dividing the middle surface of the shell into sixteen rectangles. He sets his boundary-value problem in finite difference form and solves it easily. He claims that the error is less than 6%. The general theory is followed by an example of a square spherical shell. All the stresses and displacements for the chosen points are tabulated, and the vertical deflections for three shells of different curvatures are graphically illus— (over)



CNIASHVILI, O.D.; SHAYSHMELASHVILI, V.N.

Precast reinforced concrete cylindrical roofs for industrial buildings designed by the Institute of Construction of the Academy of Sciences of the Georgian S.S.R. Trudy nauch. korr. Inst. stroi. dela AN Gruz. SSR. no.2:7-26 '58. (MIRA 12:7) (Roofs, Shell)



POLISHCHUK, P.; SHAYTAN, B.; YABLOKOYA, K.M., red.; OVECHKIN, L.T., tekhn.red.

[How we reduce agricultural production costs] Kak my snizhaem sebestoimost' sel'skokhoziaistvennoi produktsii. Tiumen', Tiumenskoe knizhnoe izd-vo, 1960. 33 p. (MIRA 14:5) (Tyumen' Province-Agriculture-Costs)

Peach
Winter hardy varieties of peach. Biul. Glav. bot. sada
No. 10, 1951.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730003-0"

